Utah Data Research Center
Update

Objectives

- Mission
  - The Utah Data Research Center aims to conduct meaningful research to inform public policy initiatives, providing the platform for policymakers, practitioners, and the general public to make data-informed decisions

- Vision
  - To create a world class data and research platform to empower stakeholders
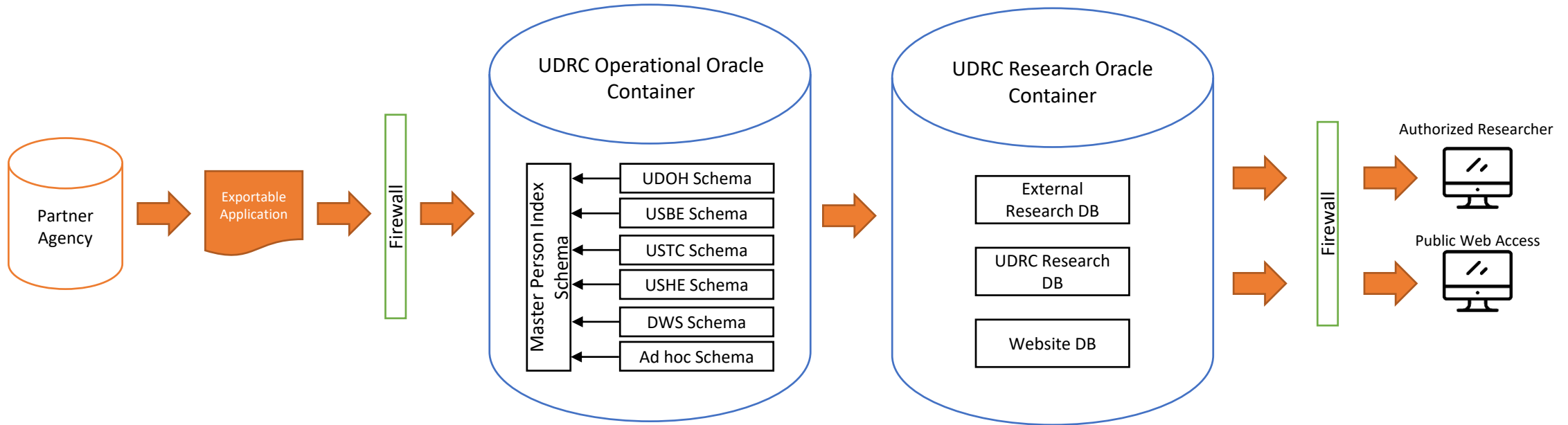
Administration

- Organizational structure
  - Manager, two researchers, and a data communications coordinator
  - Two dedicated software developers
  - Six DTS staff covering project management, quality assurance, development, security, and web design
- Advisory board
  - Comprised of representatives from participating agencies
  - Convened every two months since July 2017
  - Received and integrated advice

Technology solution

- Transition from UETN
  - Documentation transferred
  - Lessons learned
- Data
  - Data elements defined
  - Exportable Application (EA)
    - Built
    - Tested:
      - Completed
        - USHE
        - USTC
      - In progress
        - UDOH
        - USBE
  - Import Application (IA) in progress
- Website
  - In progress

Overarching Architectural Design

UDRC Operational Oracle Container

Master Person Index Schema
- UDOH Schema
- USBE Schema
- USTC Schema
- USHE Schema
- DWS Schema
- Ad hoc Schema

UDRC Research Oracle Container
- External Research DB
- UDRC Research DB
- Website DB

Partner Agency → Exportable Application → Firewall → (Operational Container) → (Research Container) → Firewall → Authorized Researcher / Public Web Access

Transfer
- Automated
- Standardized
- Encryption
- Hashing

Management
- Non-sequential loading (faster)
- Stand alone agency schemas
- Automated ad hoc process
- In house and integrated master person index algorithm (matching)

Access
- Easier and more efficient access to data by researchers and the public
- Interactive and impactful data visualizations and graphics
- Automated authorized researcher application form
- Rules engine to ensure no linkable PII (automation)

Governance

- Memorandum of Understanding (MOU) & Governance Document
  - First draft completed and communicated to partner agencies
  - Partner agencies provided feedback
  - Feedback integrated
  - Delivery of final draft on future advisory board
- Rulemaking
  - Final draft
  - Filed

Research

- Research Agenda
  - Research agenda approved in October
- Top five research agenda items:
  1. Statewide P20 goals and outcome metrics
     - In progress
  2. Outcomes for those working while attending College
  3. Economic ROI of CTE
  4. Supply and demand Analysis
  5. Analysis of students who are going into specialized fields

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Next steps

- Continue development

  - Complete testing of export application (UDOH & USBE)
  - Finalize import application (moving data from SFTP to warehouse)
  - Develop website

- P20 Metrics and Outcome Goals

  - Receive data from partner agencies
  - Start work on analysis and data visualizations

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